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(74) Agents: **JOHNSTONE, Douglas, Ian et al.**; Baron & Warren, 18 South End, Kensington, London W8 5BU (GB).

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(71) **Applicant** (for all designated States except US): **ALPHA THAMES LTD** [GB/GB]; Essex House, Station Road, Upminster, Essex RM14 2SU (GB).

(72) Inventors: and

(75) **Inventors/Applicants (for US only):** **APPLEFORD, David, Eric** [GB/GB]; 5 Greenview Cottages, Theydon Bois, Epping, Essex CM16 7JD (GB). **LANE, Brian, William** [GB/GB]; 41 Rattwick Drive, Canvey Island, Essex SS8 8NF (GB).

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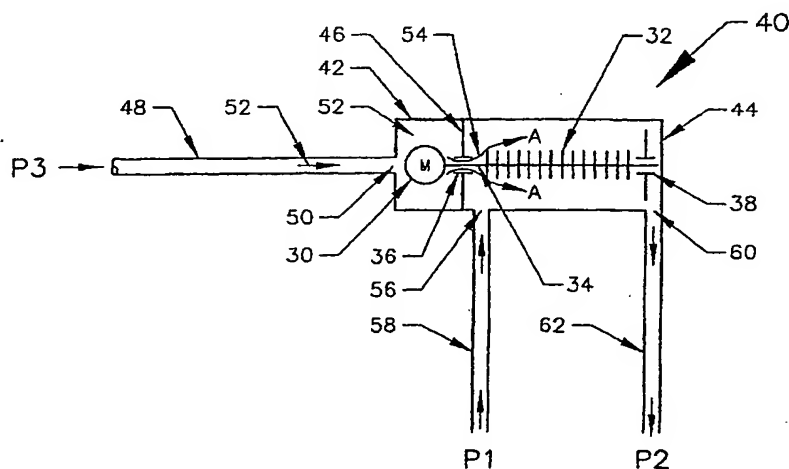
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(54) Title: GAS SEAL SYSTEM FOR THE SHAFT OF AN ELECTRIC COMPRESSOR MOTOR



(57) Abstract: An electric motor (30) is accommodated in a first portion (42) of a housing (40) and is arranged to drive a compressor (32) accommodated in a second portion (44) of the housing separated from the first housing portion (42) by a wall (46). An umbilical (48) introduces dry motor protection gas into the first housing portion (42) and a passage (54) between the first and second housing portions (42,44) allows a leakage of the motor protection gas from the first housing portion (42) into the second housing portion (44) at a higher pressure than gas supplied to the compressor (32) via an inlet pipe (58) thereby preventing moisture laden gas from the compressor (32) entering the first housing portion accommodating the electric motor (30).

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